

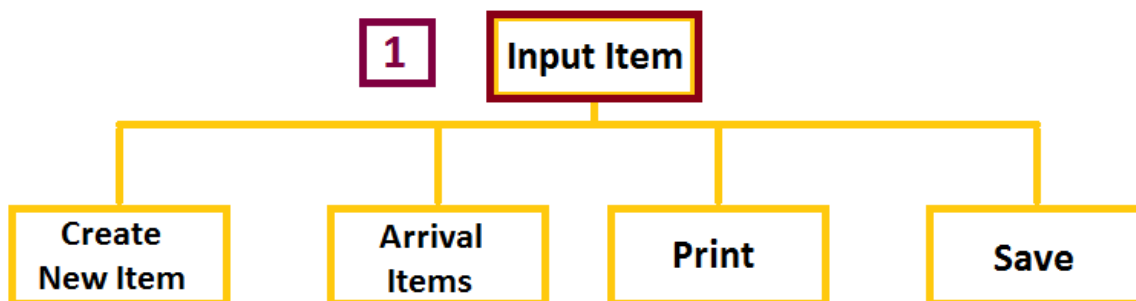
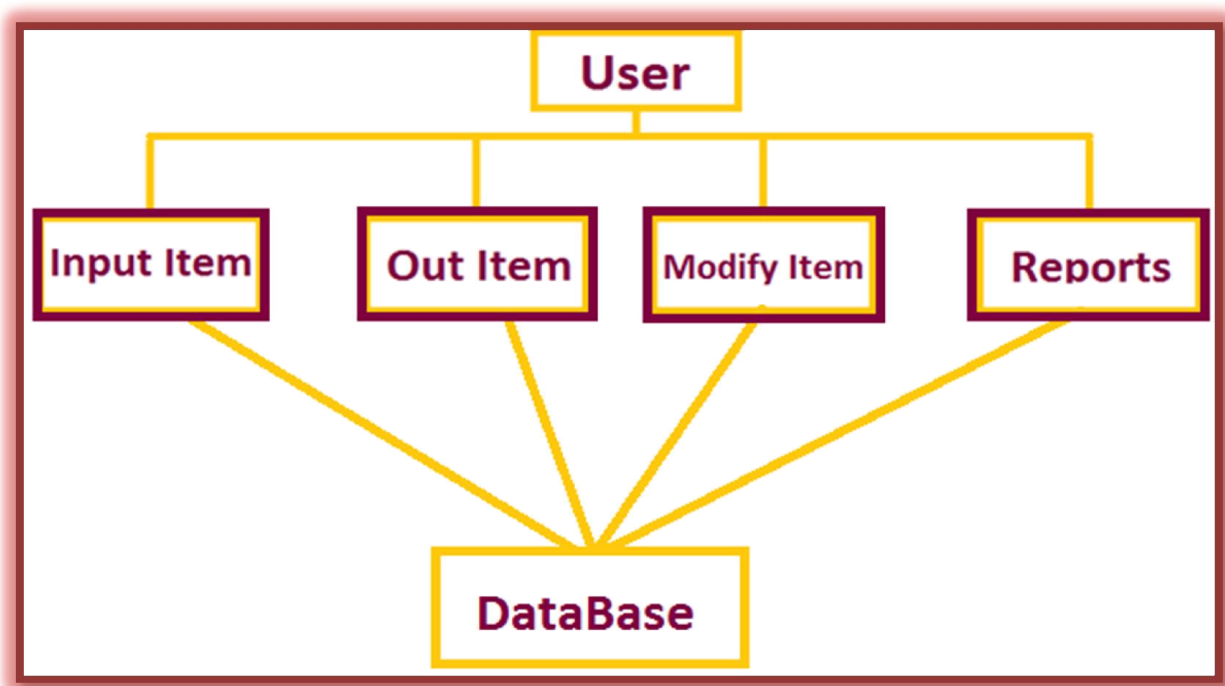
Requirement documentation for inventory system

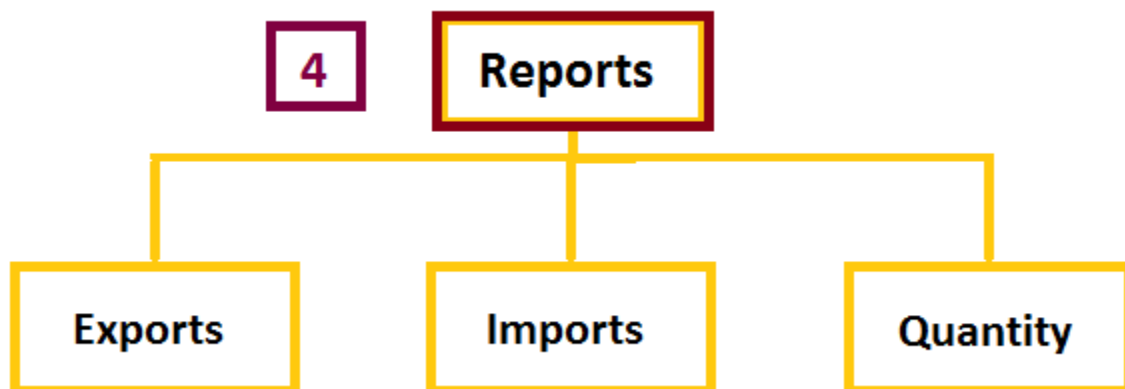
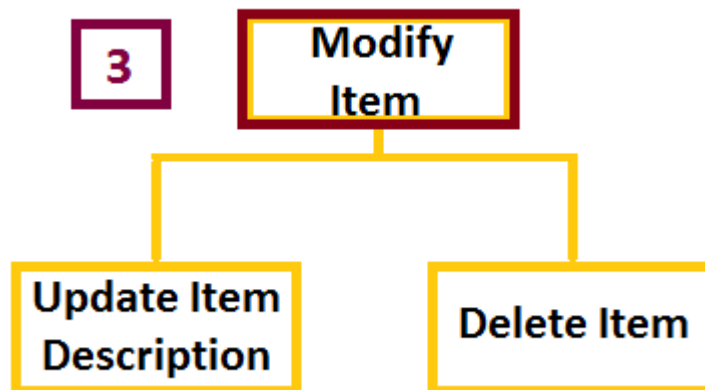
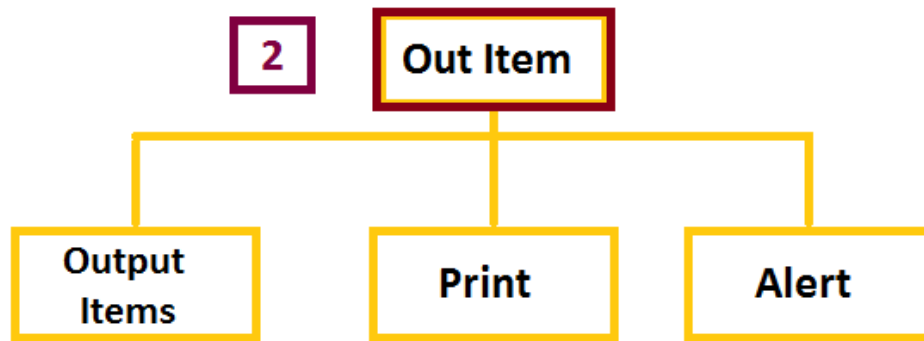
الاسم:- نورهان محمد صبحي جاد.

رقم السكشن:- 3.

الفرقه:- ثالته حاسبات و تحكم الي.

Conceptual Model





Function Requirements

1- Input Items

1-1 (Create New Item)

- **Name of the function:** **New_Item**
- **Task to be made:** to create new item into Database
- **Inputs to function:** required fields
- **Output from function:** message(Done) / (It is already exist)
 - **Descriptions:**
 - user fills the required fields that reflects the table fields in the Database.
 - After filling all required fields and if this item did not exist already, the item must be Saved into Database with quantity number equals zero.
 - The user can Print the process after clicking save.

1-2 (Arrival Items)

- **Name of the function:** **Arrival_Item**
- **Task to be made:** record the new arrival items
- **Inputs to function:** item , quantity
- **Output from function:** message (Done)

- **Descriptions:**

- user Select item from item list that contains the items that are stored into database then he put the quantity number.
- The new quantity number must be added to old quantity number into Database.
- The total quantity must be Saved into database and automatically adding the day date .
- The user can Print the process after clicking save.

1-3 **(Print)**

- The user has the chance to **Print** any pervious process after clicking save.
-

2- Out Items

2-1 (Outputs Item)

- **Name of the function:** **Out_Item**
- **Task to be made:** decrease the item quantity
- **Inputs to function:** item , quantity
- **Output from function:** message (Done) / (Cannot out)
- **Descriptions:**
 - user Select item from item list that contains the items that are stored into database then he put the quantity number.
 - If the quantity number less than the actual quantity number in the database , refuse the process and show the message Cannot out.
 - If the quantity number larger than the actual quantity number in the database, subtract the actual quantity number in the Database from the user quantity number and automatically add the day date.
 - After subtracting , if total quantity less than 2 call the alert function.
 - The user can Print the process after clicking save.

2-2 (Print)

- The user has the chance to **Print** pervious process after clicking save.

2-3 (Alert)

- **Name of the function:** **Alert**
 - **Task to be made:** Alerts the user if item quantity is less than 2.
 - **Inputs to function:** item name
 - **Output from function:** message(item name is less than 2)
-

3- Modify Items

3-1 (Update Item description)

- **Name of the function:** **Update_Item.**
- **Task to be made:** update the item description.
- **Inputs to function:** user name ,password ,item ,description.
- **Output from function:** message (Done)
- **Descriptions:**
 - user with specific User Name and Password must be able to update the item description .
 - The Update must be saved into data base after clicking Save.

3-2 (Delete Item)

- **Name of the function:** **Delete_Item.**
- **Task to be made:** update the item description.
- **Inputs to function:** user name ,password ,item.
- **Output from function:** message (Done)
- **Descriptions:**
 - user with specific User Name and Password must be able to delete specific item.
 - The deletion must be saved into data base after clicking Save.

4- Reports

4-1 (Exports)

- **Name of the function:** **Exports.**
- **Task to be made:** show exports report.
- **Inputs to function:** items ,date(Optional) .
- **Output from function:** report .
- **Descriptions:**
 - The user select specific items or all from item list.
 - The user must be able to Show all pervious exports process in specific data or from date to date or all without determining dates.
 - The user has the chance to Print the report if he wants.
 - The user can Print the report after clicking save.

4-2 (Imports)

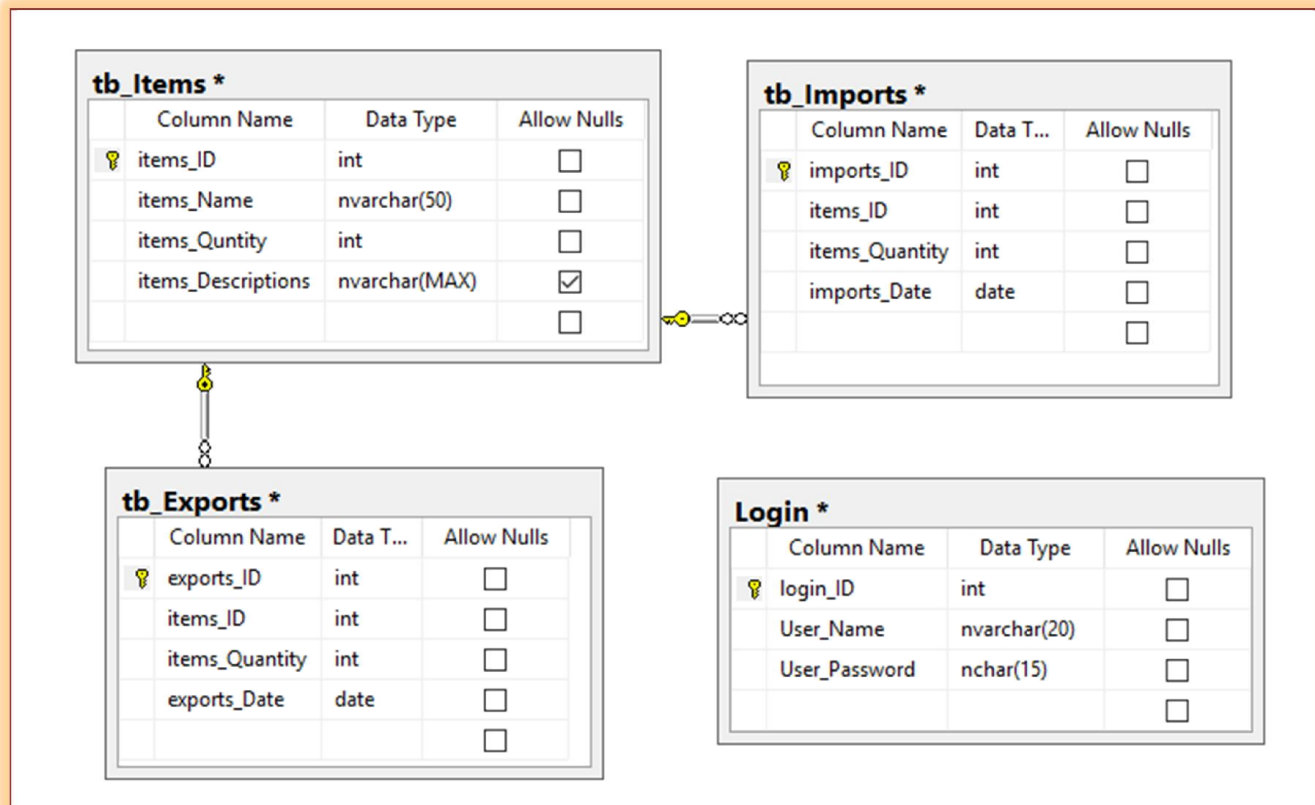
- **Name of the function:** **Imports.**
- **Task to be made:** show imports report.
- **Inputs to function:** items ,date(Optional) .
- **Output from function:** report .
- **Descriptions:**
 - The user select specific items or all from item list.

- The user must be able to Show all pervious imports process in specific data or from date to date or all without determining dates.
- The user has the chance to Print the report if he wants.

4-3 (Quantity)

- **Name of the function:** **Show_Quantity.**
 - **Task to be made:** show item information with quantity.
 - **Inputs to function:** items .
 - **Output from function:** report .
 - **Descriptions:**
 - The user select specific items or all from item list.
 - The user must be able to Show all selected items with actual current quantities.
 - The user has the chance to Print the report if he wants.
-

Database



Additional Database constraints:-

- Each primary key is auto incremented id (Identity).
- Items_Name in tb_Items is unique.
- Items_Quantity in tb_Items has default value =0.
- User_Name in login table is unique.